POURING PERFECTION

Marco Beverage Systems Ltd.

INSTRUCTIONS FOR MODELS

OCEANIC 8.4kW
(P/N: 1000179D)

Water pressure : 5 - 50 psi (min.-max.)35 - 345 kPa (min.-max.)

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Installation details:

Power Supply:

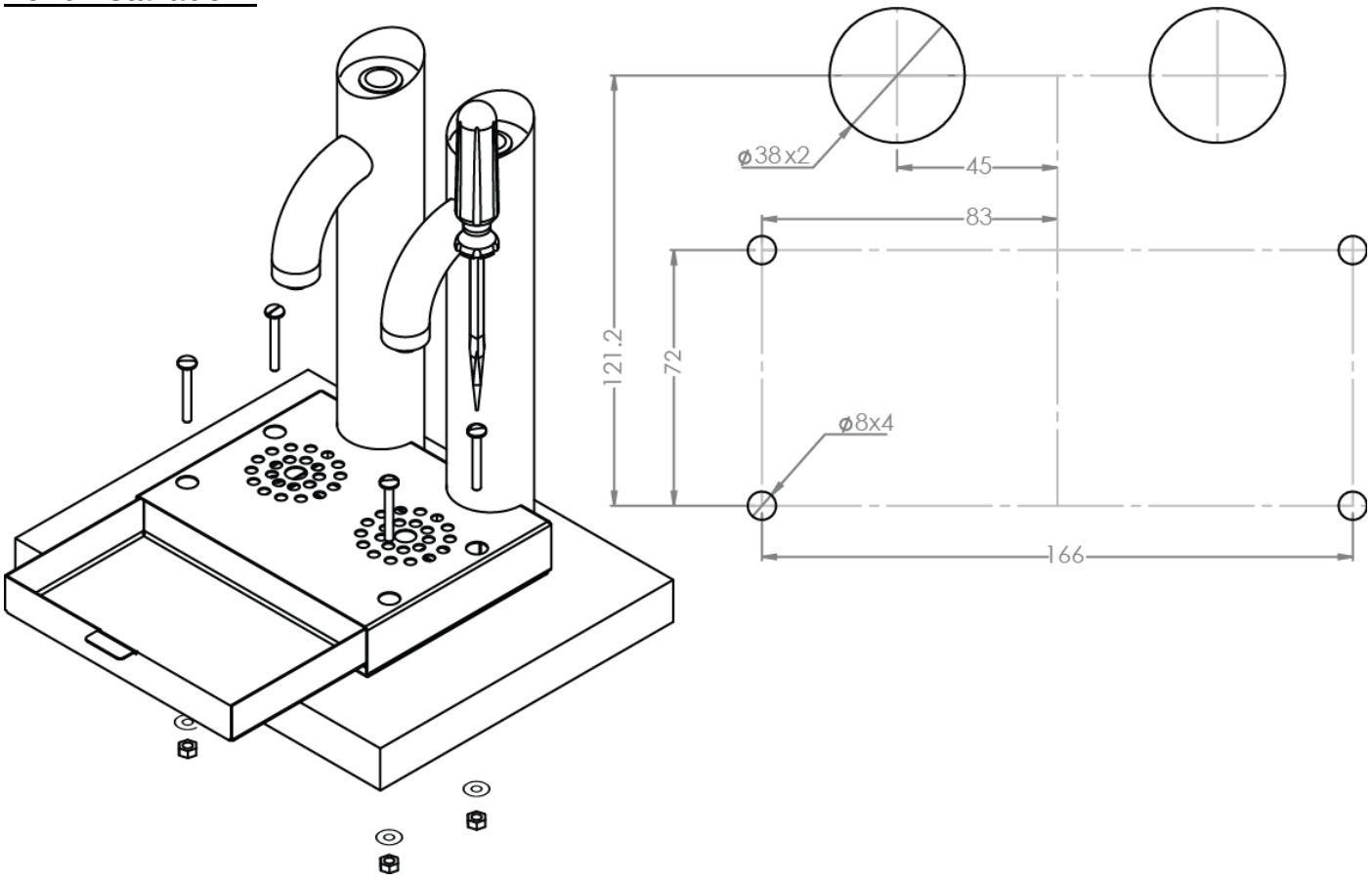
- Oceanic (8.4kW/400Vac. 3 PHASE) - This unit must be connected to a suitable 3 phase power supply. This should be done by a qualified electrician.

Water Pressure: 5 - 50 psi (min.-max.) 35 - 345 kPa (min.-max.)

Installation procedure:

- Fit a stop Valve on a cold water line and attach a 3/4" BSP male fitting,
- (e.g. 3/4" x 1/2" 311 or washing machine type stop valve).
- Connect straight tailpiece of the hose to the stop valve fitting. Make sure that the pre-attached sealing washer is fitted.
- Turn on the water to flush any impurities, dust etc from the inlet hose and water pipe. Allow several gallons through.
- Connect right-angled tailpiece of the hose to the inlet valve of the boiler (again 3/4" BSP). Make sure the sealing washer is fitted here also.
- Turn on water and check for leaks.
- Connect to a suitable power supply.

Font Installation:



Counter Drilling:

Holes need to be drilled in the counter for the mounting bolts (6-10mm diameter). 4 holes are in the base plate. Please use the dimensions shown below. A large hole needs to be drilled in the counter (35mm diameter) for routing feed pipes and control wires.

Font Assembly:

Turn off the machine. The fonts are attached to the drilled counter with 4 x M6 nuts, bolts and washers (all parts are found in the drip tray). A rubber grommet fits into the font base plate to prevent the wire cutting against the steel edge. The silicone hose from the boiler is secured to the

black fitting from the font using the supplied hose clip. Connect the black wire coming from the water boiler to the wires coming from the font base (it doesn't matter which wire goes to which connector on the font)

Operating boiler for the first time:

Turn the water on at stop valve and switch the power on at the switch on the front of the machine.

1. Timer board works by default (after flashing) in "push & hold" mode.
2. To set a time dispense please follow the calibration procedure:

- Open the service door on the front panel
- Once the machine is full and heated up (the status LED glowing green) press the tactile switch on the left control PCB (timer board).
- Both pumps will turn on and off for 0.1s - that will be heard as a click meaning that the timer is in the calibration mode.
- Place an empty cup (measuring jug) underneath the font that is to be calibrated.
- Press and hold a font button until you get the right amount of water. The water does not have to be dispensed in a single push - if the button is pressed few times the overall time will be used.
- Do the same action with the other font if needed. If only one font is calibrated, settings for the other will not be altered.
- The minimum time possible for the time dispense operation is 1s. Setting the dispense time for less (quick font button click) will set the font back into "push & hold" mode.
- After the volumes are set properly press the tactile button on the timer board once again.
- Both pumps will turn on and off for 0.1s twice - that will be heard as a double click meaning that the timer is out of calibration.

3. Please note that there is no given order which font is to be calibrated first - in fact they may be calibrated at once or only one may be calibrated (leaving the settings of the other unaltered).
4. If there is no response from the user in the calibration mode (none of the font buttons pressed) for more than 25 seconds the timer will end the calibration (double pump "click" will be heard).
5. The maximum allowable time of the dispense is 25 seconds. Any longer times will be cut down to 25 seconds.
6. The resolution of the time measurement is 0.1s.
7. The timer board has its own clock on board therefore power line frequency is not used to measure the time.

Troubleshooting:

The Ready/Status light signals various errors or problems. A cycle of red flashes indicates an error.

Status/Diagnostic light guide:

Status light	Symptom	Action required
2	Water level below elements - Normal when machine first fills.	Check water supply , if this is OK then call service agent.
3	Temperature sensor failure o/c	Call service agent
4	Water not heating	Call service agent
5	Temperature sensor failure s/c	Call service agent
6	Machine not filling	Check water supply , if OK then call service agent.

Maintenance:

Marco machines have been designed to give many years of trouble free service. The only regular maintenance required is occasional de-scaling.

- Isolate machine from power supply.
- Isolate machine from water supply.
- **ALLOW TO COOL COMPLETELY!**
- Remove the front panel and drain water from machine using the detachable silicon hose running down the front side of the machine.
- Remove lid.
- Remove as much scale as possible by hand, paying particular attention to level probes (White plastic with steel tab). Be very careful not to damage any attachments.
- Use ScaleKleen, Marco part No. 8000270 or similar. Follow instructions carefully.
- Thoroughly clean and flush the machine before re-use.
- Follow installation and first time operation instructions

Cleaning:

The exterior of these machines may be cleaned with a damp cloth and a light detergent. Do not use abrasive cloths or creams, as this will spoil the finish of the machine. Do not use a water jet or spray. Beware of accidentally operating the draw off tap when cleaning the front of the machine.

Limescale:

In common with all water boiler manufacturers, service calls resulting from limescale are not covered by warranty. Fitting a scale reducer is recommended, especially in hard water areas. This can reduce the build-up of scale but may not stop it altogether. The frequency that descaling is required depends on the local water supply; hard water areas need more attention. A scale reducer can reduce the build up of scaling, but may not stop it altogether. Descaling of the machine should ideally be carried out by qualified service personnel.

Cautions and safety tips:

- This appliance must be earthed.
- Risk of flooding. The hose supplied with this unit is non-toxic food quality tested to 190psi. However, a hose is not a permanent connection. It is, therefore, advisable to switch off boiler and close the stopcock valve when boiler is not in use, e.g. overnight, weekends etc.
- Risk of scalding. Beware of accidentally pressing the font buttons while cleaning the fonts.
- The utmost care has been taken in the manufacture and testing of this unit. Failure to install, maintain and / or operate this boiler according to the manufacturer's instructions may result in conditions that can cause injury or damage to property. If in any doubt about the serviceability of the boiler always contact the manufacturer or your own supplier for advice.